



# Jefferson Lab Alignment Group

## Data Transmittal

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**DATE :** Sep 30, 2003

**FROM:** Chris Curtis

**Checked:**

**#** Z899

### Details:

The following are the results of the SNS medium beta 06 arm survey. The data was processed using the offsets for the granite piers provided in the cryoassembly sub-directories on the Jlab m: drive. Horizontal and vertical deviations from the lines constructed between the piers were calculated and then the offset values for each arm were applied. The results are given in millimeters (DX, DY). A positive DX indicates the arm target is to the beam left, a positive DY indicates that it is too high. A comparison is made with the SRF group's measured values and the absolute differences are shown. Please note the different sign convention in X.

#### **MB06**

<b>Flange</b>	<b>DX</b>	<b>SRF</b>	<b>Diff</b>	<b>DY</b>	<b>SRF</b>	<b>Diff</b>
2 E (BL)	-0.30	0.41	0.11	-0.74	-0.27	0.47
2 W (BR)	-			-		
3 E (BL)	-0.35	0.37	0.02	-0.80	-0.12	0.68
3 W (BR)	-0.12	0.22	0.10	0.19	-0.04	0.23
4 E (BL)	-0.64	0.73	0.09	-0.02	0.24	0.26
4 W (BR)	-0.38	0.40	0.02	-0.06	-0.05	0.01
5 E (BL)	-	-	-			
5 W (BR)	0.12	-0.55	0.43	-0.34	-0.56	0.22
6 E (BL)	-0.09	0.20	0.11	0.11	0.32	0.21
6 W (BR)	-	-0.11		-	0.24	
7 E (BL)	-	-				
7 W (BR)	0.47	0.00	0.47	1.02	0.82	0.20